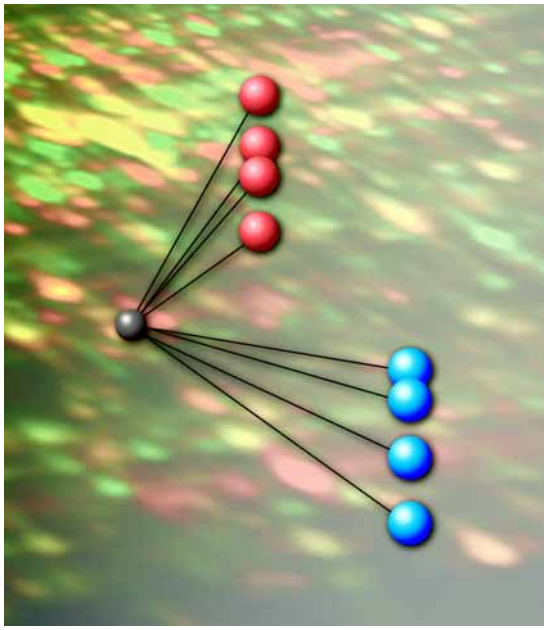
GE Healthcare

DeCyder 2D Software

Version 7.0

Installation Guide



Contents

1 Introduction

1.1 About DeCyder 2D Software 5
1.2 Documentation files 6
1.3 Upgrade of Decyder 2D 6.5 to DeCyder 2D 7.0 6
1.4 Uninstallation 6

2 Installation preparation and requirements

2.1 Computer requirements 7
2.2 Recommendations for free space on the computer 8
2.3 Computer settings 8
2.3.1 Administrator rights 8
2.3.2 Regional settings 9
2.3.3 System properties and hard drive settings 10

3 Installation

3.1 Before starting installation 11
3.2 Network installation 11
3.3 Standalone installation 11
3.4 Oracle server installation 12
3.5 DeCyder 2D 7.0 Database installation 14
3.6 DeCyder 2D Program installation 15
3.7 Creating new user(s) for DeCyder 2D 18

4 eLicense installation and activation

4.1 Preparations 23
4.2 Installation of GE Healthcare eLicense Server Program 24
4.3 Activation of GE Healthcare eLicense Server Program 25
4.3.1 Receiving the access code 25
4.4 Unavailable eLicense 28

5 Uninstallation

5.1 Uninstallation procedure 29

Appendix A Database - connecting and customizing
A.1 Connect the application terminal to the database 31
A.2 Customizing the database 32
Appendix B Licensing Server administration - for advanced users
B.1 Open the tool 35
B.2 View the Host-ID of the computer 35
B.3 View configuration settings 36
B.4 Change license configuration 38

1 Introduction

1.1 About DeCyder 2D Software

DeCyder™ 2D Software is an automated image analysis software suite which enables detection, quantification, matching and analysis of Ettan™ DIGE system gels. The two-dimensional (2D) electrophoresis gels are used for separating complex protein mixtures labelled with up to three CyDye™ DIGE Fluor dyes.

DeCyder 2D 7.0 Software works with an Oracle™ database where all data is stored. DeCyder 2D 7.0 Software can be used in a network or on a standalone computer.

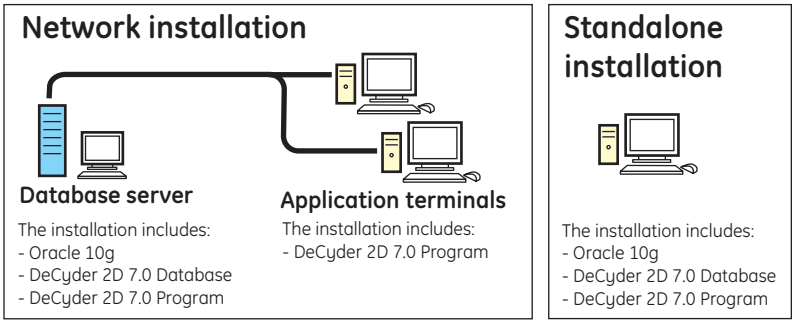
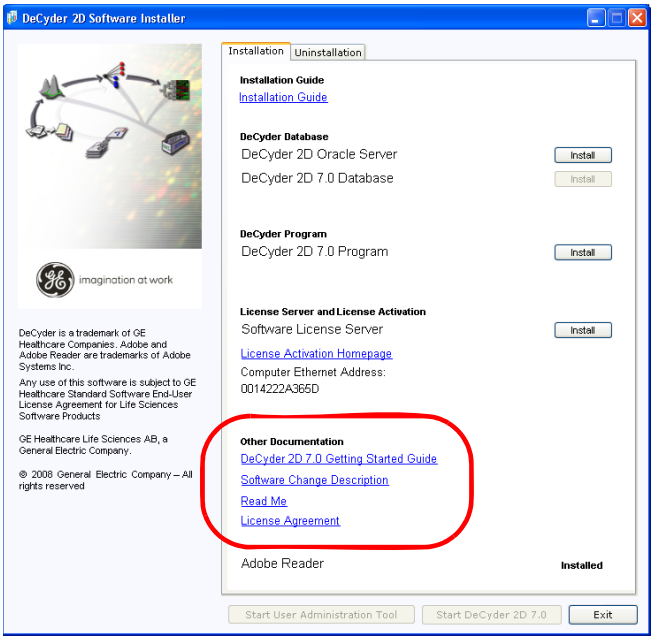


Figure 1-1. Installation types. Installation of XML format descriptions, Pick list, MS Data is included in the DeCyder 2D 7.0 Program installation. Tutorial data is included in the DeCyder 2D 7.0 Database installation.

1.2 Documentation files

Pdf-versions of different documentation are available in the ***DeCyder 2D Software Installer*** dialog, which opens after inserting the DeCyder 2D 7.0 Software installation DVD in the computer.



There is also a button for download of Adobe Reader. This software enables access to pdf-files and can be downloaded free of charge.

1.3 Upgrade of Decyder 2D 6.5 to DeCyder 2D 7.0

If DeCyder 2D 6.5 is already installed, backup the DeCyder database and then uninstall the complete software package (see Section 5) before installing DeCyder 2D 7.0.

1.4 Uninstallation

To uninstall selected modules or the entire DeCyder 2D 7.0 Software from a computer, see Section 5. Make sure to backup the DeCyder database before uninstalling.

2 Installation preparation and requirements

Check that the following requirements are fulfilled before starting the DeCyder 2D installation:

- Computer requirements *(Section 2.1)*
- Computer free space recommendations *(Section 2.2)*
- Computer settings *(Section 2.3)*

2.1 Computer requirements

- Operating System:
  Windows Vista Business (x86), Service Pack1, English Language, or
  Windows XP Professional (x86), Service Pack 3, English Language, or
  Windows Server 2008 Enterprise, Service Pack 1, English Language

  Note: *The screen dumps may differ from the appearance with Windows Vista.*

- Internet Explorer™ version 5.5 or higher must be installed to run the XMLToolbox module
- At least 2 GB RAM
- The computer must have a dual layer DVD reader
- Set the virtual memory so that the total amount of available memory, including physical RAM, is at least 2.5 GB
- Minimal free space on local hard drive for an Application terminal is 3 GB
- Minimal free space on local hard drive for Database server and Standalone computer is 30 GB
- Video card capable of 32 bit color
- The video card driver needs to support Open GL™ (v 1.2 or later)
  - ensure that the latest compatible driver is installed
- Set the color resolution of the PC to 32 bit color

2.2 Recommendations for free space on the computer

Type of computer	Recommendations
Database Server	**C drive:** at least 10 GB free space for DeCyder 2D 7.0 Software. **D drive:** at least 60 GB free space for Oracle database server and data. **E drive:** at least 50 GB for backup, export and raw images.
Standalone computer	**C drive:** at least 10 GB free space for DeCyder 2D 7.0 Software. **D drive:** at least 60 GB free space for Oracle database server and data. **E drive:** at least 50 GB for backup, export and raw images.
Application terminal	**C drive:** at least 10 GB for DeCyder 2D 7.0 Software.

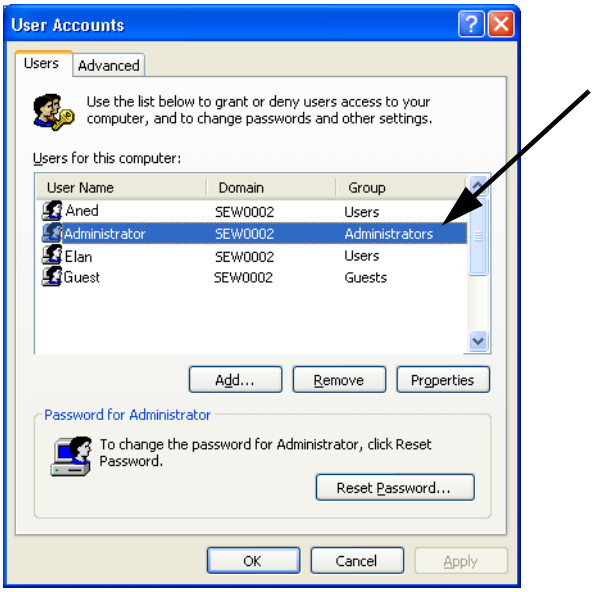
Note: *Avoid running other programs with high memory requirements at the same time as DeCyder 2D.*

2.3 Computer settings

2.3.1 Administrator rights

Before installing, check that you have full administrator rights on your computer.

1 Select ***Start:Control Panel:User Accounts***.



2 Check that the account name that you used for log in is marked as ***Administrators*** in the ***Group*** column.

Note: *Omitting this step can have major consequences later when installing DeCyder 2D database. If you are not an administrator, you will not be able to register essential files properly and installation will fail, forcing you to uninstall the complete DeCyder 2D Software package.*

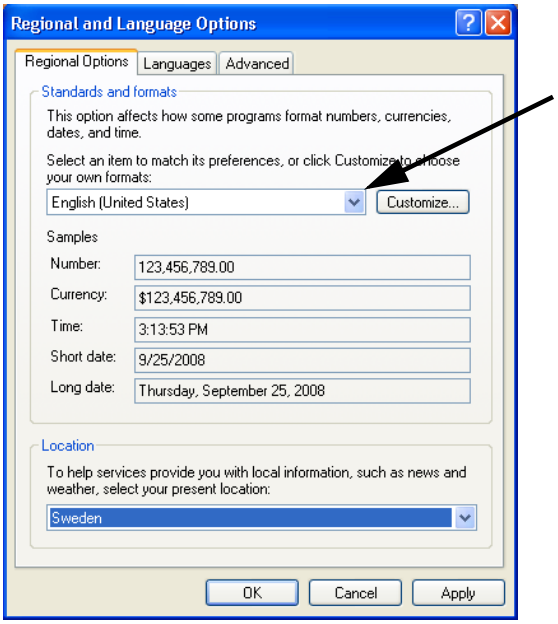
2.3.2 Regional settings

The regional settings must be US English to ensure that the number, date and time formats are correct.

Note: *You may use other keyboard layouts than the US English keyboard layout*.

1 Select ***Start:Control Panel:Regional and Language Options***.

2 In the ***Regional Options*** tab select ***English (United States)*** in the dropdown list and click ***OK***.



2.3.3 System properties and hard drive settings

1 Select ***Start:Control Panel:System***.

2 Select the ***General*** tab in the ***System Properties*** dialog.

3 Check that the computer has at least:

- Windows Vista Business (x86), Service Pack1, English Language, or Windows XP Professional (x86), Service Pack 3, English Language, or Windows Server 2008 Enterprise, Service Pack 1, English Language
- Pentium 4 CPU 1.5 GHz
- 2 GB (2048 MB) of RAM

If the computer does not fulfill these criteria, use another computer which does or upgrade the computer.

4 If desired, change the name of the computer *before* starting the installation: Select ***Computer Name*** tab, change computer name and click ***Apply***.

3 Installation

3.1 Before starting installation

- Read the Read-me file provided in the Documentation folder on the DVD *DeCyder 2D version 7.0*. It contains late-breaking information not added to the installation guide.
- Make sure that all requirements stated in Section 2 are fulfilled.
- Exit all programs on the computer.

3.2 Network installation

For a network installation, different parts of the software will be installed on different computers. DeCyder 2D 7.0 database will be installed only on the Database server computer. The database includes Tutorial files. DeCyder 2D 7.0 Program shall be installed on the Database server itself and can be installed on any computer located in the same network as the Database server computer.

The installation *must* be made in the following order. If some installation steps have already been done, continue to next installation.

1 Install Oracle server on the Database server computer (Section 3.4).

2 Install DeCyder 2D 7.0 Database on the Database server computer (Section 3.5).

3 Install DeCyder 2D 7.0 Program on the Database server computer and on the application terminal computer(s) (Section 3.6).

4 Connect the application terminals to the DeCyder 2D 7.0 Database (Section A.1).

5 Create users to DeCyder 2D via User Administration Tool (Section 3.7).

3.3 Standalone installation

For a standalone installation, all parts of the software will be installed on a single computer. No network is required.

The installation *must* be made in the following order. If some installation steps have already been done, continue to next installation.

1 Install Oracle server (Section 3.4).

2 Install DeCyder 2D 7.0 Database (Section 3.5).

3 Install DeCyder 2D 7.0 Program (Section 3.6).

4 Create users to DeCyder 2D via User Administration Tool (Section 3.7).

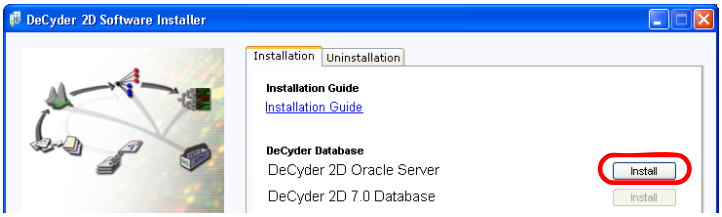
3.4 Oracle server installation

Install the Oracle Server software on the computer that will work as network database server or on the computer for standalone use.

Note: *If earlier versions of DeCyder 2D Software have been uninstalled, check that the Oracle folder (default location D:\Oracle) has been removed before starting the new installation of Oracle.*

1 Insert the DeCyder 2D 7.0 Software Installation DVD.

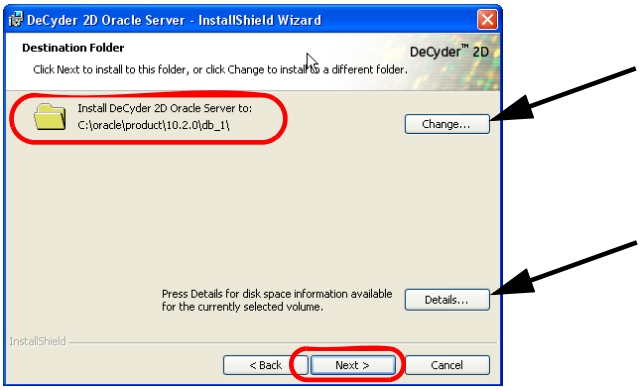
2 Click ***Install*** DeCyder 2D Oracle Server in the ***DeCyder 2D Software Installer*** dialog.



Note: *If the **DeCyder 2D Software Installer** dialog is not opened, browse to the root of the DVD and double-click on setup.exe to display the dialog.*

3 Click ***Next >*** in the ***InstallShield Wizard*** dialog.

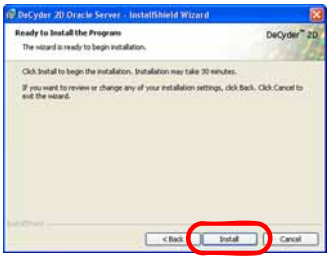
4 Check that the desired destination folder is selected.


DeCyder 2D Oracle Server - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
DeCyder™ 2D
Install DeCyder 2D Oracle Server to:
C:\oracle\product\10.2.0\db_1\
Change...
Press Details for disk space information available for the currently selected volume.
Details...
InstallShield
< Back
Next >
Cancel

- To change destination folder, click ***Change...*** and browse for a new destination folder.
- Click ***Details...*** to get information of available disk space on the currently selected volume.

Click ***Next >***.

5 Click ***Install*** to start the installation.


DeCyder 2D Oracle Server - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
DeCyder™ 2D
Click Install to begin the installation. Installation may take 30 minutes.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< Back
Install
Cancel

During the installation the status window indicate progress.
The installation may take 30 minutes.

6 If there is a firewall installed in the computer, click ***Unblock*** (or similar if another dialog is opened) to allow installation.

Windows Security Alert
To help protect your computer, Windows Firewall has blocked some features of this program.
Do you want to keep blocking this program?
Name: javaw
Publisher: Unknown
Keep Blocking
Unblock
Ask Me Later
Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. When should I unblock a program?

7 Click ***Finish*** to complete the installation.

DeCyder 2D Oracle Server - InstallShield Wizard
DeCyder™ 2D
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed DeCyder 2D Oracle Server. Click Finish to exit the wizard.
Finish

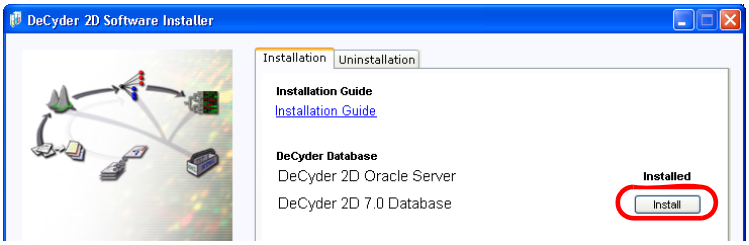
3.5 DeCyder 2D 7.0 Database installation

Install the DeCyder 2D 7.0 Database on the computer that will work as a network database server or on the computer for standalone use.

This installation package will create a DeCyder 2D 7.0 Database and install the Database Administration Tool.

1 If not already inserted, insert the DeCyder 2D 7.0 Software Installation DVD.

2 Click ***Install*** DeCyder 2D 7.0 Database in the ***DeCyder 2D Installer*** dialog.



Note: *If the **DeCyder 2D Software Installer** dialog is not opened, browse to the root of the DVD and double-click on setup.exe to display the dialog.*

3 Click ***Next >*** in the ***InstallShield Wizard*** dialog.

4 Click ***Next >***..

For advanced users it is possible to customize database settings, see section A.2 for a description.

5 Click ***Install*** to start the installation.

DeCyder 2D Database - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
DeCyder™ 2D
Click Install to begin the installation. Installation may take 30 minutes.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< Back
Install
Cancel

During the installation the status window indicate progress. The installation may take 30 minutes.

6 Click ***Finish*** to complete the installation.

DeCyder 2D Database - InstallShield Wizard
DeCyder™ 2D
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed DeCyder 2D Database. Click Finish to exit the wizard.
Finish

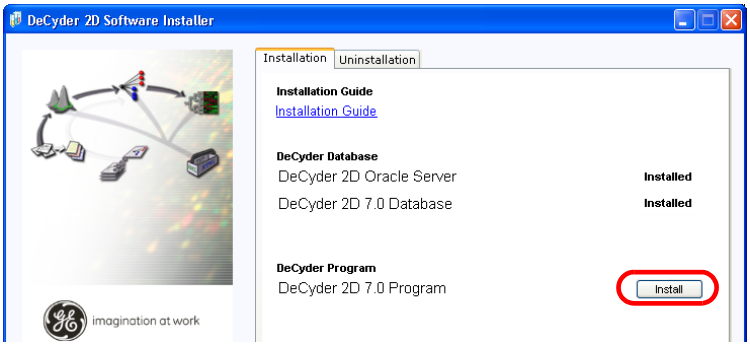
3.6 DeCyder 2D Program installation

Install DeCyder 2D 7.0 Program on the computer(s).

During installation Microsoft.NET Framework v 1.1 will be installed, if not already installed. When installing DeCyder 2D Program on a computer that will work as a network application terminal, an Oracle client installation will automatically be done.

1 If not already inserted, insert the DeCyder 2D Software Installation DVD.

2 Click ***Install*** DeCyder 2D 7.0 Program in the ***DeCyder 2D Software Installer*** dialog.

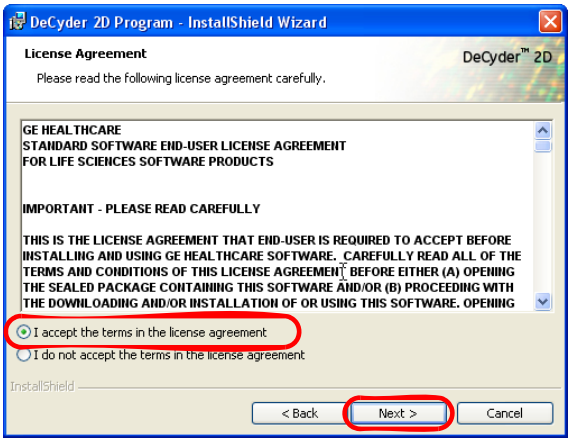


Note: *If the **DeCyder 2D Installer** dialog is not opened, browse to the root of the DVD and double-click on setup.exe to display the dialog.*

3 Click ***Next >*** in the ***InstallShield Wizard*** dialog.

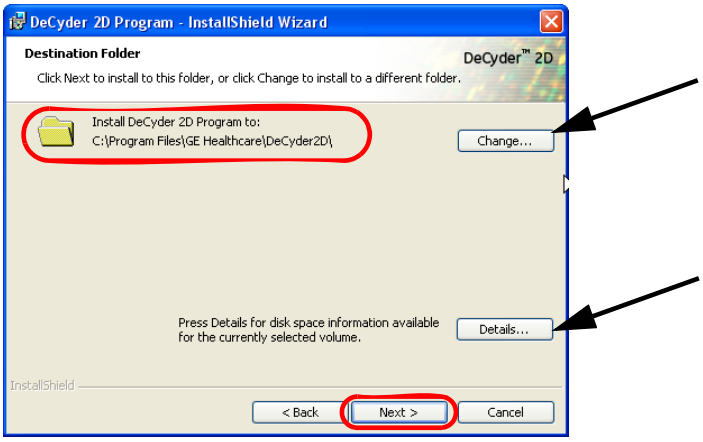
4 Carefully read the ***License Agreement***.

Accept the stated license terms by ticking ***I accept the terms in the license agreement***.


DeCyder 2D Program - InstallShield Wizard
License Agreement
Please read the following license agreement carefully.
DeCyder™ 2D
GE HEALTHCARE
STANDARD SOFTWARE END-USER LICENSE AGREEMENT
FOR LIFE SCIENCES SOFTWARE PRODUCTS
IMPORTANT - PLEASE READ CAREFULLY
THIS IS THE LICENSE AGREEMENT THAT END-USER IS REQUIRED TO ACCEPT BEFORE INSTALLING AND USING GE HEALTHCARE SOFTWARE. CAREFULLY READ ALL OF THE TERMS AND CONDITIONS OF THIS LICENSE AGREEMENT BEFORE EITHER (A) OPENING THE SEALED PACKAGE CONTAINING THIS SOFTWARE AND/OR (B) PROCEEDING WITH THE DOWNLOADING AND/OR INSTALLATION OF OR USING THIS SOFTWARE. OPENING
I accept the terms in the license agreement
I do not accept the terms in the license agreement
InstallShield
< Back
Next >
Cancel

Click ***Next >*** to continue.

5 Check that the desired destination folder is selected.


DeCyder 2D Program - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
DeCyder™ 2D
Install DeCyder 2D Program to:
C:\Program Files\GE Healthcare\DeCyder2D\
Change...
Press Details for disk space information available for the currently selected volume.
Details...
InstallShield
< Back
Next >
Cancel

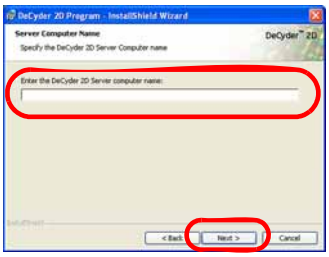
- To change destination folder, click ***Change...*** and browse for a new destination folder.
- Click ***Details...*** to get information of available disk space on currently selected volume.

Click ***Next >***.

6 Click ***Install*** to start the installation.

During the installation, the status window indicate progress. The installation will take some time.

7 During installation on a network computer, enter the DeCyder 2D server computer name in the dialog below and click ***Next***.



8 Click ***Finish*** to complete the installation.

DeCyder 2D Program - InstallShield Wizard
DeCyder™ 2D
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed DeCyder 2D Program. Click Finish to exit the wizard.
Before it is possible to start the DeCyder 2D applications it is necessary to have at least one DeCyder user defined. Users are created in the User Administration Tool.
Finish
Cancel

9 Restart the computer when prompted.

10 If you have more than one database server, continue with section A.1.

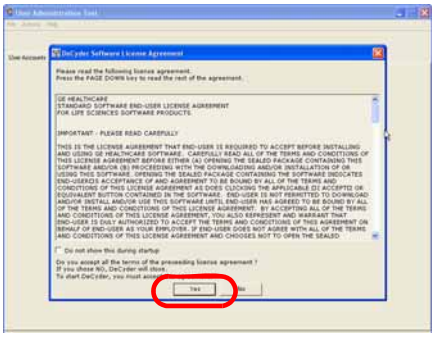
3.7 Creating new user(s) for DeCyder 2D

Before using DeCyder 2D, you have to create a user.

Start User Administration Tool

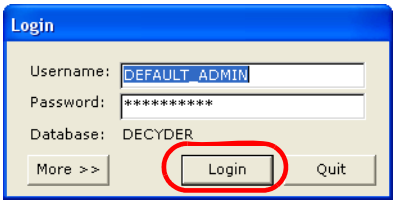
1 Click the ***Start User Administration Tool*** button in the ***DeCyder 2D Software Installer*** dialog.

2 Carefully read the license agreement.
Click ***Yes*** to accept the license agreement.

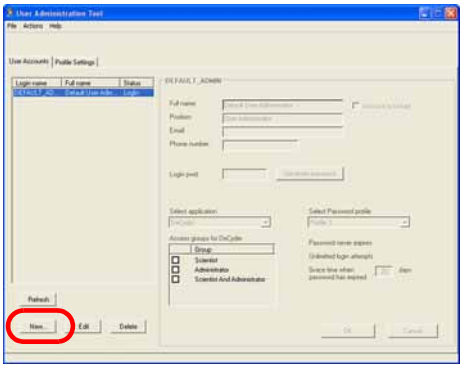

DeCyder Software License Agreement
Please read the following license agreement. Press the PAGE DOWN key to read the rest of the agreement.
GE HEALTHCARE
STANDARD SOFTWARE END-USER LICENSE AGREEMENT
FOR LIFE SCIENCES SOFTWARE PRODUCTS
IMPORTANT - PLEASE READ CAREFULLY
Do not show this during startup
Do you accept all the terms of the preceding license agreement ?
If you chose NO, DeCyder will close.
To start DeCyder, you must accept
Yes

Note: *To be able to create users for network installation, the database must be installed.*
For network installation: If the DEFAULT_ADMIN username or password has been changed from the default settings, the updated settings are needed to login.

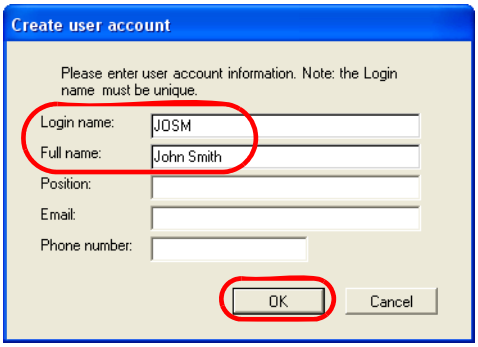
3 Click ***Login*** to login using the default admin user.



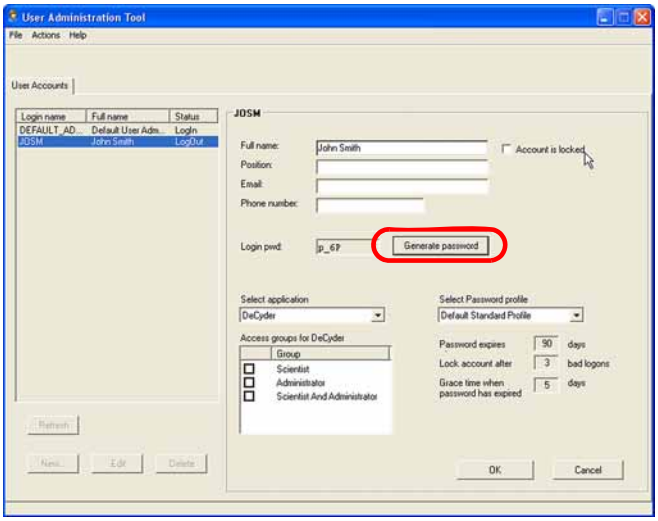
4 Click ***New***.



5 Enter login name, full name and, if desired, additional information and click ***OK***.

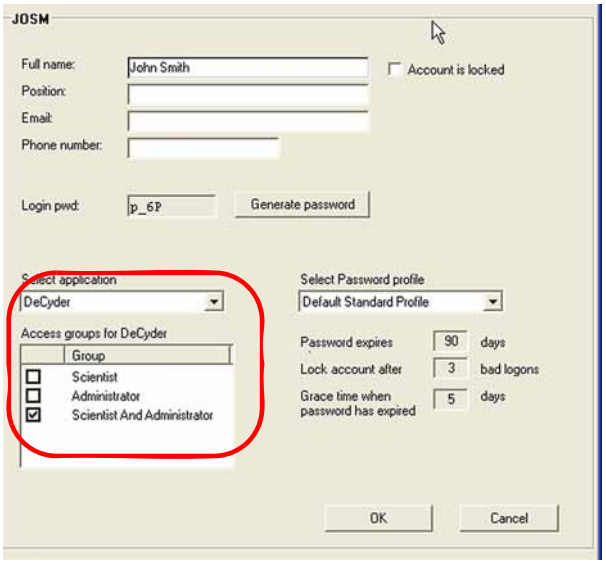


6 Click ***Generate password*** to get a temporary password.

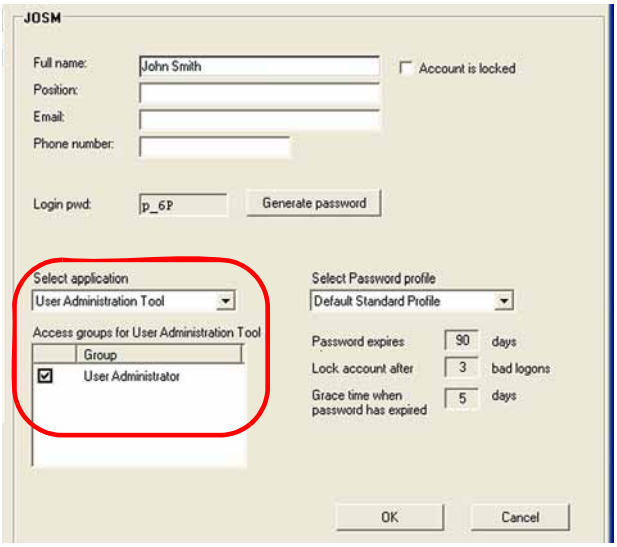


7 Select application ***DeCyder 2D*** and check the appropriate Access groups.

- ***Scientist:*** access to the DeCyder application only
- ***Administrator:*** access to the Database administration tool only
- ***Scientist and Administrator:*** access to both the DeCyder application and the Database administration tool



8 For users that shall be able to add and remove users etc, select application ***User Administration Tool*** and check ***User Administrator***.



9 Copy the password (normally including several special characters) before continuing, to make it easy to login to DeCyder 2D the first time. You will have to change password at the first login.

Note: *By default, the password expires after 90 days, the account is locked after 3 login attempts with incorrect password (and can only be opened again by a User Administrator).*

10 Finish by clicking ***OK*** and close the dialog.

TIP! Add an extra user with unlimited access and without password expiry.

Note: *To have a secure DeCyder installation, change the password for DEFAULT_ADMIN.*

4 eLicense installation and activation

DeCyder 2D require an electronic license (eLicense).

A concurrent license (also called floating license) is used for DeCyder 2D. This license can be used by all computers connected via network to a computer running a license server. This type of license is useful when many users, but not all at the same time, need access to DeCyder. The number of computers that simultaneously can use DeCyder depends on the license. The license(s) is administered via the license server.

The license server can be installed on any computer in the network, but the license file must be placed on the computer running the license server. All computers running a DeCyder 2D program must be connected on the same network as the computer that you install the eLicense server program on.

To activate DeCyder 2D, you must install the eLicense server program, receive the access code, collect and place the license file on the computer running the license server program, and launch DeCyder 2D.

4.1 Preparations

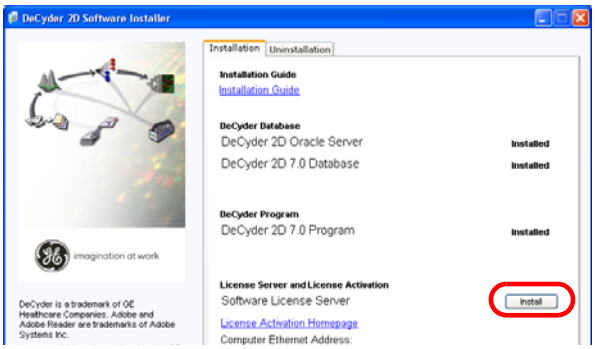
If you have a fire wall activated on your computer, specific ports need to be open to allow for eLicense communication between the eLicense server and the computers running DeCyder 2D. For more information, see the ReadMe-file.

4.2 Installation of GE Healthcare eLicense Server Program

- If you previously have installed a GE Healthcare Software Licensing Server on a computer on your network, continue from Section 4.3.1.
- If the licensing server is not installed, follow the instructions below.

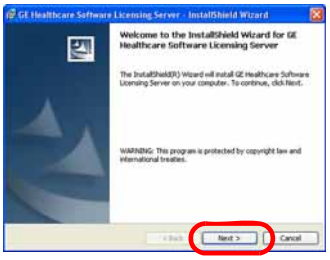
1 Insert the DeCyder 2D Software installation DVD.

2 Click ***Install*** Software License Server in the ***DeCyder 2D Installer*** dialog.

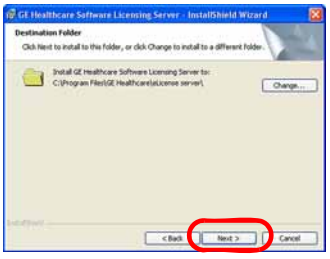


Note: *If the **DeCyder 2D Software Installer** dialog is not opened, browse to the root of the DVD and double-click on setup.exe to display the dialog.*

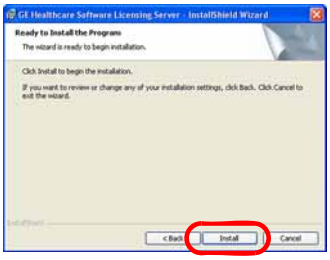
3 Click ***Next*** in the ***Installation Wizard*** dialog.


GE Healthcare Software Licensing Server - InstallShield Wizard
Welcome to the InstallShield Wizard for GE Healthcare Software Licensing Server
The InstallShield(R) Wizard will install GE Healthcare Software Licensing Server on your computer. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

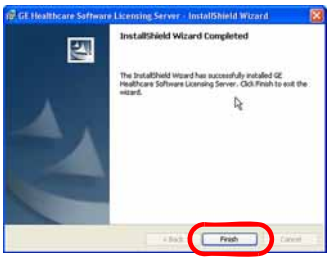
4 Click ***Next*** to accept the default destination folder.


GE Healthcare Software Licensing Server - InstallShield Wizard
Destination Folder
Click Next to install to this folder, or click Change to install to a different folder.
Install GE Healthcare Software Licensing Server to:
C:\Program Files\GE Healthcare\eLicense server\
Change...
InstallShield
< Back
Next >
Cancel

5 Click ***Install*** to start the installation.


GE Healthcare Software Licensing Server - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
< Back
Install
Cancel

6 Click ***Finish***.


GE Healthcare Software Licensing Server - InstallShield Wizard
InstallShield Wizard Completed
The InstallShield Wizard has successfully installed GE Healthcare Software Licensing Server. Click Finish to exit the wizard.
Finish
Cancel

4.3 Activation of GE Healthcare eLicense Server Program

4.3.1 Receiving the access code

After ordering the DeCyder 2D 7.0 Software, a letter including an access code will be sent by courier to the orderer's shipment address. Store the access code in a safe place. The access code is necessary for collecting the eLicense files.

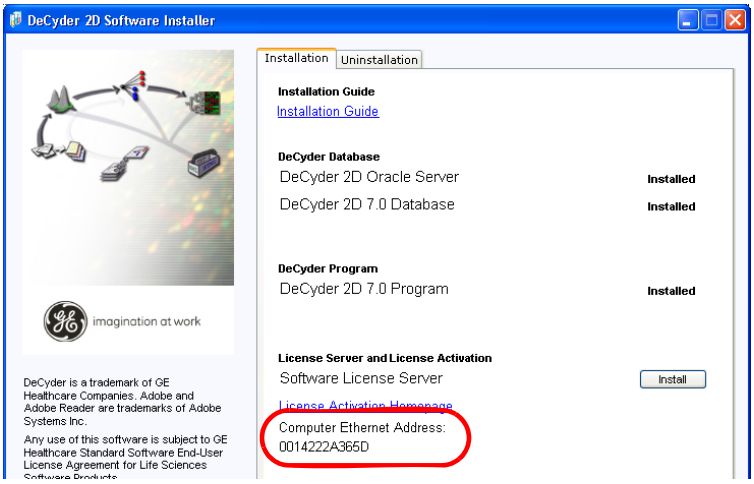
Note: If the access code has not been delivered within 7 days of the order, contact technical support to get the access code via telephone.

Collecting and saving an eLicense file

Note: *You can use any computer with contact to the internet to collect the eLicense file and then transfer the file to the correct computer.*

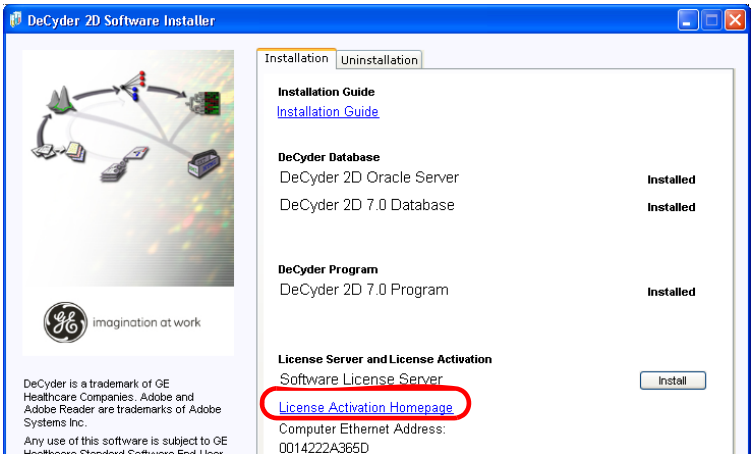
1 Insert the DeCyder 2D Software installation DVD.

2 To simplify in later steps, mark the Computer Ethernet Address in the ***DeCyder 2D Installer*** dialog, right-click and select ***Copy***.

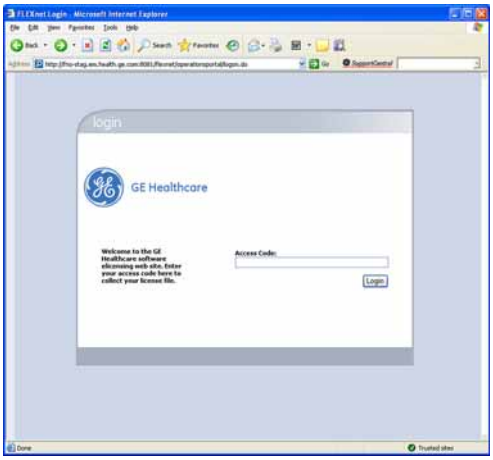


Note: *If the **DeCyder 2D Software Installer** dialog is not opened, browse to the root of the DVD and double-click on setup.exe to display the dialog.*

3 Click ***License Activation Homepage*** in the ***DeCyder 2D Installer*** dialog.



4 In the homepage that opens, enter the ***Access Code*** and press ***Login*** to open the Software Licensing System home page.



Note: *You can also find the homepage via http://www.elicensing.amershambiosciences.com/gtlweb/login*

5 Collect the License file according to the instructions on the web site.
Paste the Computer Ethernet Address where appropriate.
Click the ***Help & FAQ*** button in the dialogs for more information.

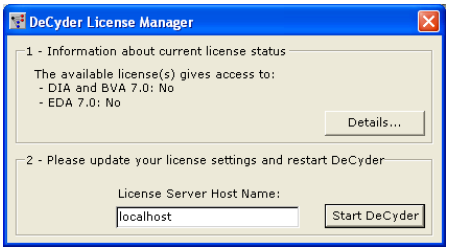
Help & FAQ

6 Place the license file in the license folder, normally *C:\Program Files\GE Healthcare\eLicense server\Licenses*. See Appendix B.3 for details.

7 Restart the computer.
The license is ready to use for DeCyder.

4.4 *Unavailable eLicense*

1 If the requested eLicense is not available when you open DeCyder 2D 7.0 Program, the ***DeCyder License Manager*** dialog is displayed.


DeCyder License Manager
1 - Information about current license status
The available license(s) gives access to:
- DIA and BVA 7.0: No
- EDA 7.0: No
Details...
2 - Please update your license settings and restart DeCyder
License Server Host Name:
localhost
Start DeCyder

2 Enter the ***License Server Host Name*** (the computer name for the eLicense server in your network) and click ***Start DeCyder***.

3 Once the eLicense file is found, the DeCyder 2D 7.0 Program will start, displaying the license agreement.

5 Uninstallation

It is possible to uninstall the entire or selected parts of DeCyder 2D 7.0 Software. Versions 6.0 and 6.5 of DeCyder 2D Software can also be uninstalled using the below procedure.

Note: *If the DeCyder 2D Oracle Server or DeCyder 2D 7.0 Database is uninstalled from the Database server computer, it will not be possible to use DeCyder 2D Software on the application terminals.*

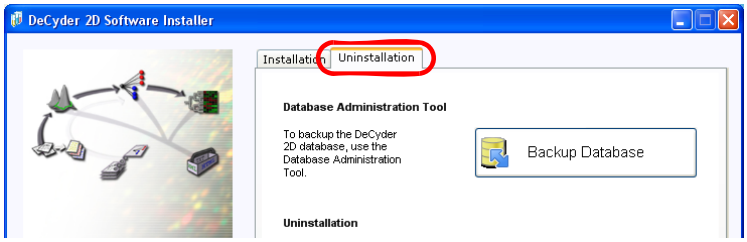
5.1 Uninstallation procedure

Before starting uninstallation of software, **it is essential to perform backup of the DeCyder 2D Database**. See the DeCyder 2D Software, version 7.0, User Manual for information on how to perform backups.

1 Shut down all programs.

2 Insert the DeCyder 2D Software installation DVD.

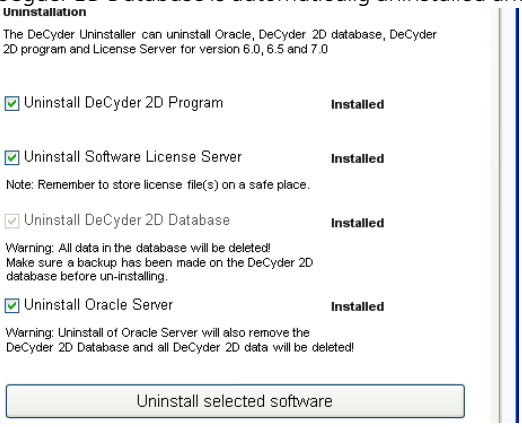
3 Click the ***Uninstallation*** tab in the ***DeCyder 2D Software Installation*** dialog.



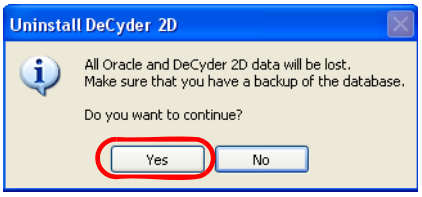
Note: *If the **DeCyder 2D Software Installer** dialog is not opened, browse to the root of the DVD and double-click on setup.exe to display the dialog.*

4 Remember to perform a backup before continuing!
To uninstall all or a specific module, click the corresponding check box(es)

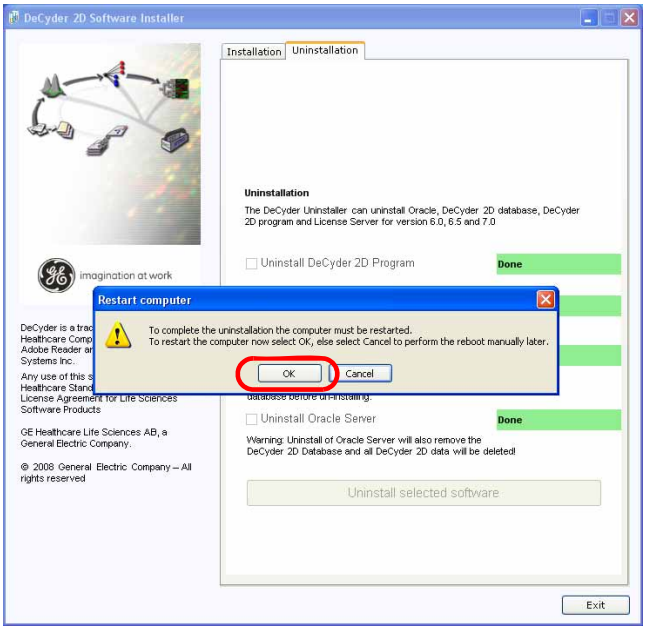
and click ***Uninstall selected software***. By uninstalling the Oracle Server, DeCyder 2D Database is automatically uninstalled and all data is removed.


Uninstallation
The DeCyder Uninstaller can uninstall Oracle, DeCyder 2D database, DeCyder 2D program and License Server for version 6.0, 6.5 and 7.0
Uninstall DeCyder 2D Program
Installed
Uninstall Software License Server
Installed
Note: Remember to store license file(s) on a safe place.
Uninstall DeCyder 2D Database
Installed
Warning: All data in the database will be deleted!
Make sure a backup has been made on the DeCyder 2D database before un-installing.
Uninstall Oracle Server
Installed
Warning: Uninstall of Oracle Server will also remove the DeCyder 2D Database and all DeCyder 2D data will be deleted!
Uninstall selected software

5 If uninstalling the Oracle server or the DeCyder 2D Database, click ***Yes*** in the dialog that appear.


Uninstall DeCyder 2D
All Oracle and DeCyder 2D data will be lost.
Make sure that you have a backup of the database.
Do you want to continue?
Yes
No

6 Click ***OK*** to finish the uninstallation by restarting the computer.


DeCyder 2D Software Installer
Installation
Uninstallation
imagination at work
Restart computer
To complete the uninstallation the computer must be restarted.
To restart the computer now select OK, else select Cancel to perform the reboot manually later.
OK
Cancel
Uninstallation
The DeCyder Uninstaller can uninstall Oracle, DeCyder 2D database, DeCyder 2D program and License Server for version 6.0, 6.5 and 7.0
Uninstall DeCyder 2D Program
Done
Uninstall Oracle Server
Done
Warning: Uninstall of Oracle Server will also remove the DeCyder 2D Database and all DeCyder 2D data will be deleted!
Uninstall selected software
Exit
GE Healthcare Life Sciences AB, a General Electric Company.
© 2008 General Electric Company – All rights reserved

Appendix A Database - connecting and customizing

A.1 Connect the application terminal to the database

If you have more than one database server, each application terminal must be connected to the correct network computer with the DeCyder database.

1 To connect the application terminal (client) to the database, find the file *tnsnamnes.ora* on the application terminal. The default location is *D:\oracle\product\10.2.0\db_1\NETWORK\ADMIN\tnsnames.ora*

2 Add the following rows to the file for each new database that the application terminal will use.

```
DECYDER =
 (DESCRIPTION =
   (ADDRESS = (PROTOCOL = TCP)(HOST = COMPUTERNAME)(PORT = 1521))
   (CONNECT_DATA =
     (SERVER = DEDICATED)
     (SERVICE_NAME = DECYDER)
  )
 )
```

3 Replace ***DECYDER*** with your own alias. This alias will be shown in the login dialog when selecting database.

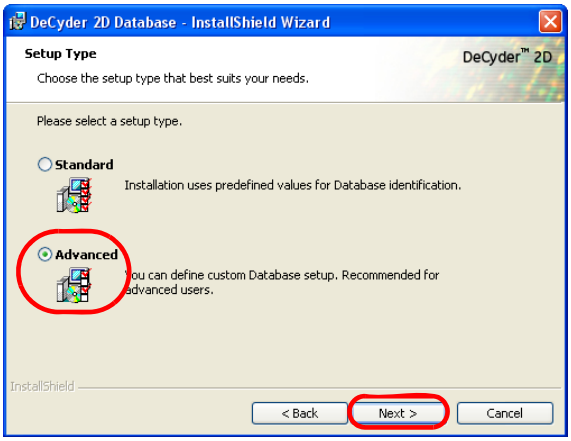
4 Replace ***COMPUTERNAME*** to the name of the database computer. IP address can also be used if the IP address is static.

5 Save the file.

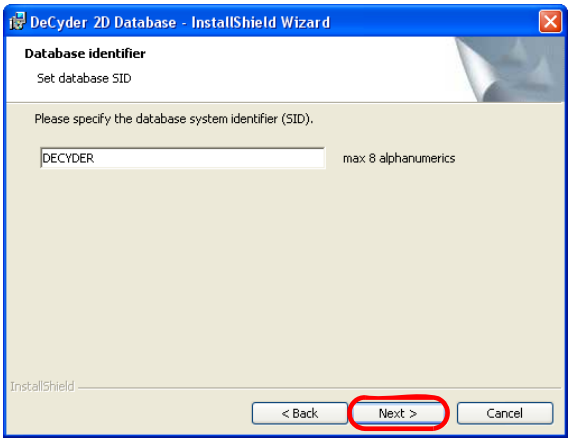
A.2 Customizing the database

For advanced users, it is possible to customize database settings. This instruction continue from step 4 in 3.5, page 14.

1 Tick ***Advanced*** setup type and click ***Next >***.

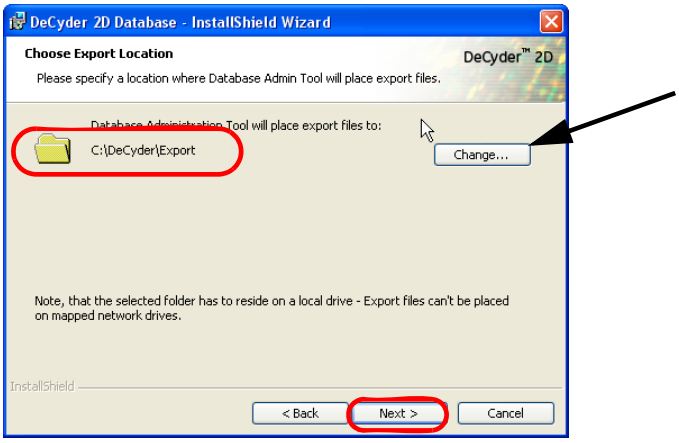


2 Enter a ***database system identifier (SID)***, maximum 8 alphanumerical and click ***Next >***.

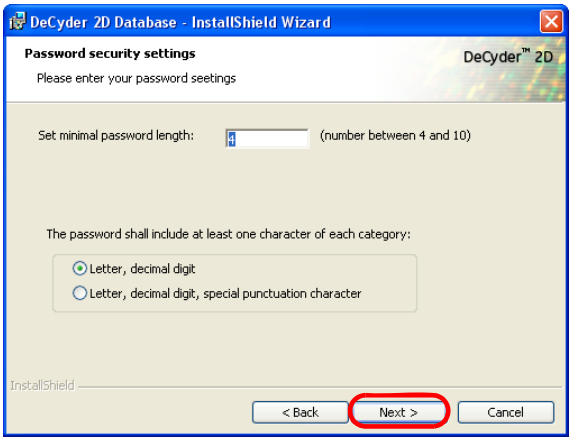


3 Check that the desired destination folder is selected. To change destination folder, click ***Change...*** and browse for desired location.

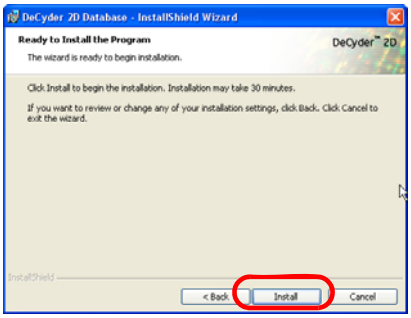
Click ***Next >*** to continue.


DeCyder 2D Database - InstallShield Wizard
Choose Export Location
Please specify a location where Database Admin Tool will place export files.
DeCyder™ 2D
Database Administration Tool will place export files to:
C:\DeCyder\Export
Change...
Note, that the selected folder has to reside on a local drive - Export files can't be placed on mapped network drives.
InstallShield
< Back
Next >
Cancel

4 Set ***Password security settings***: and click ***Next >*** to continue.


DeCyder 2D Database - InstallShield Wizard
Password security settings
Please enter your password seetings
DeCyder™ 2D
Set minimal password length:
4
(number between 4 and 10)
The password shall include at least one character of each category:
Letter, decimal digit
Letter, decimal digit, special punctuation character
InstallShield
< Back
Next >
Cancel

5 Click ***Install*** to start the installation.


DeCyder 2D Database - InstallShield Wizard
Ready to Install the Program
The wizard is ready to begin installation.
DeCyder™ 2D
Click Install to begin the installation. Installation may take 30 minutes.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.
InstallShield
< Back
Install
Cancel

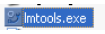
Appendix B Licensing Server administration - for advanced users

GE Healthcare Software Licensing Server tools (***LMTOOLS***) is a dialog for the advanced user, containing information and tools for the e-license server program. The most useful tabs are ***System Setting***, ***Config Services***, ***Start/Stop/Reread*** and ***Server Status***.

Note: *Using LMTOOLS to control the license server is covered in detail in the Macrovision Licensing End User Manual.*

B.1 Open the tool

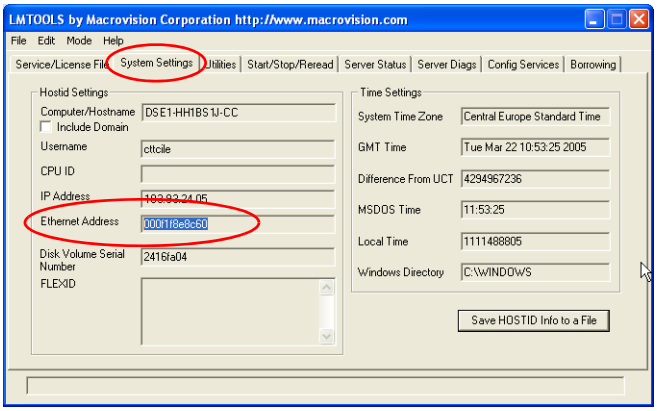
Open the ***LMTOOLS*** utility by locating the folder where the license server installation is stored, and double-click ***lmtools.exe***.
LMTOOLS opens.



B.2 View the Host-ID of the computer

The Host-ID, also called Ethernet MAC address, identifies the computer and is used to activate the eLicense.

1 Click the ***System Settings*** tab.

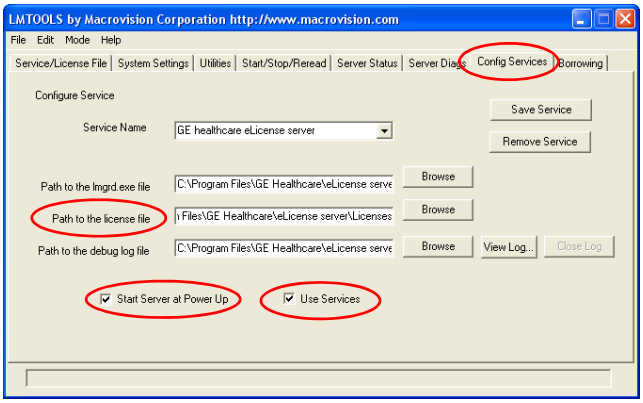


2 The Host-ID is displayed in the ***Ethernet Address*** text box.

B.3 View configuration settings

1 Click the ***Config Services*** tab to display the configuration of the eLicense server.

2 The configuration displayed below should be used for DeCyder 2D Software.

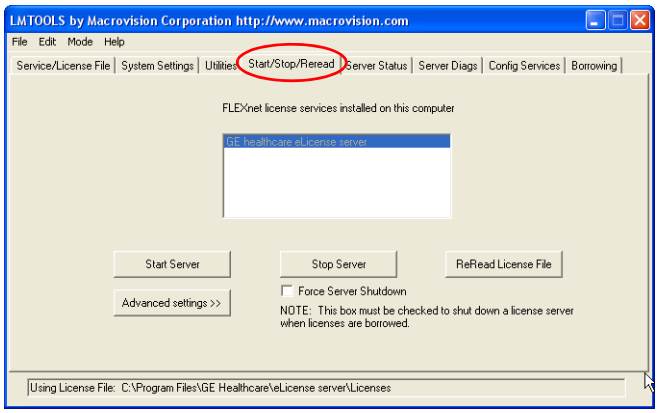


The field ***Path to the license file*** is the directory where the floating license file should be placed. The default directory for floating license files is *C:\Program Files\GE Healthcare\eLicense Server\Licenses*. Do not change the default path.

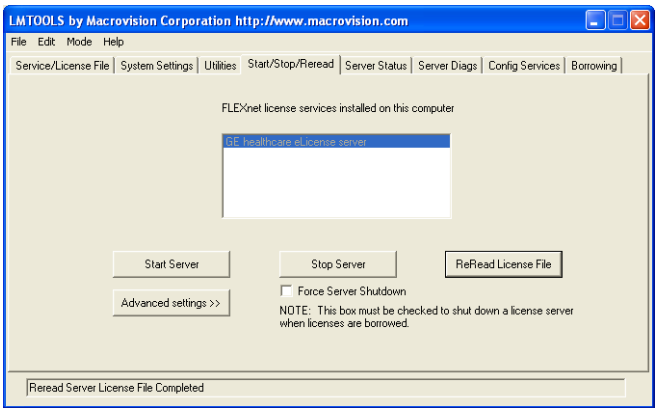
By default ***Use Services*** is selected, to run the license server as a Windows® Service. By default ***Start Service at Power Up*** is also selected, to automatically start the license server when the machine boots.

3 Click ***Save Service*** even if you made no changes in step 2.

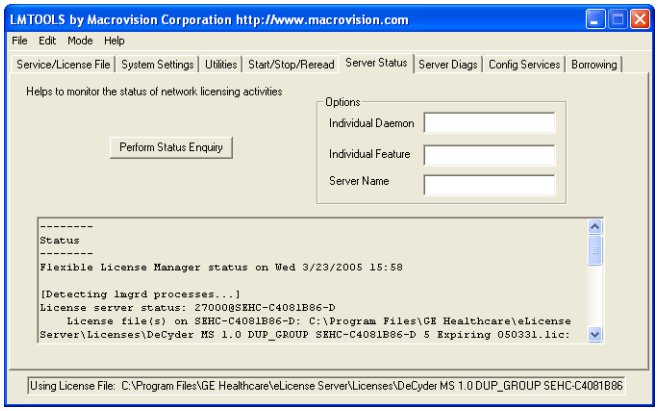
4 Select the ***Start/Stop/Reread*** tab to control the license manager. Information about the license file is displayed at the bottom of the dialog:



5 Click the ***Reread License File*** button to update the license file information. Then, it displays ***Reread Server License File Completed***.



6 To confirm that the License Server is operating with the selected license, select the ***Server Status*** tab and press the ***Perform Status Enquiry*** button. Then scroll to the bottom of the text box. The information given here will confirm that the License has been accepted and the License Server is operable.

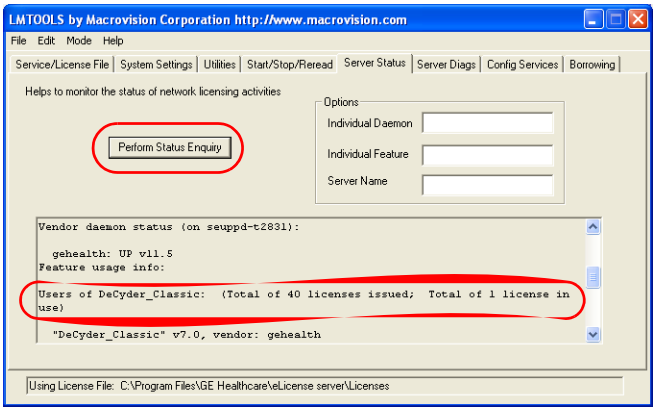


7 Select ***File:Exit***.

B.4 Change license configuration

If the set of licenses needs to be changed on an e-license server that is already installed and in operation, perform the following steps:

1 Make sure that all licenses offered by the e-license server are checked in. All e-license server users must have returned their license to the server, that is, closed their program windows. Control this by opening the ***Server Status*** tab. Press the ***Perform Status Enquiry*** button. Then scroll to the bottom of the text box. The information given here will confirm that no license is in use.



2 Click the ***Start/Stop/Reread*** tab and stop the e-license server by pressing the ***Stop Server*** button.

3 Update the set of licenses that should be used by the e-license server, for example, if a new license shall be added, copy it to the folder where the current set of e-licenses resides, by default *C:\Program Files\GE Healthcare\eLicense Server\Licenses*. Please observe that all licenses in this folder must be valid and have the same vendor name, in our case, ***gehealth***.

```
"DeCyder_Classic" v7.0, vendor: gehealth
```

4 In the ***LMTOOLS Start/Stop/Reread*** tab, press the ***Start server*** button to restart the e-license server.

5 To confirm that the new set of licenses has been accepted and are available as expected, select the ***Server Status*** tab and press the ***Perform Status Enquiry*** button. Then scroll to the bottom of the text box. The information given here will confirm that the License has been accepted and the License Server is operable, see the screen dump in step 1.

6 Select ***File:Exit***.

For contact information for your local office, please visit
www.gelifesciences.com/contact

GE Healthcare Bio-Sciences AB
Björkgatan 30
751 84 Uppsala
Sweden

www.gelifesciences.com/decyder

GE, imagination at work and GE monogram are trademarks of General Electric Company.

CyDye, DeCyder and Ettan are trademarks of GE Healthcare companies.

All third party trademarks are the property of their respecive owners.

DeCyder includes an Oracle® 10g database. Copyright © 1995 – 2007 Oracle Corporation. All rights reserved.

Third Party Credit statements:

Oracle is a registered trademark of Oracle Corporation and/or its affiliates.

This product includes the Xerces XML parser. Copyright © 2000 The Apache Software Foundation, http://www.apache.org . All rights reserved.

This product includes parts developed using ITK, Copyright © 1999-2003 Insight Software Consortium, for licensing information see, http://www.itk.org

Parts of this product implement the libTiff library, Copyright © 1988-1997 Sam Leffler, Copyright © 1991-1997 Silicon Graphics, Inc, http://www.libtiff.org

Parts of this product include NMath components from CenterSpace Software LLC, Copyright © 2002-2008. All rights reserved. http://www.centerspace.net

Parts of this product include components from Farpoint Technologies, Inc. Copyright © 1991-2007. All rights reserved. http://www.fpoint.com

Parts of this product include the TeeChart component from Steema Software SL. Copyright © 1995-2008. All rights reserved. http://www.teechart.com

Parts of this product include the open source MD5 implementation by L. Deutsch. Copyright © 1999, 2000, 2002 Aladdin Enterprises. All rights reserved.

Parts of this product include Cool Scrollbar Library. Copyright © 2001 J. Brown.

CyDye: 2-D Fluorescence Difference Gel Electrophoresis (2-D DIGE) technology is covered by US patent numbers US6,043,025, US6,048,982, US6,127,134, and US6,426,190 and foreign equivalents and exclusively licensed from Carnegie Mellon University.

CyDye: This product or portions thereof is manufactured under license from Carnegie Mellon University under US patent number US5,268,846 and other patents pending.

The purchase of CyDye fluors includes a limited license to use the CyDye fluors for internal research and development, but not for any commercial purposes. A license to use the CyDye fluors for commercial purposes is subject to a separate license agreement with GE Healthcare.

© 2008 General Electric Company—All rights reserved.

All goods and services are sold subject to the terms and conditions of sale of the company within GE Healthcare which supplies them. A copy of these terms and conditions is available on request. Contact your local GE Healthcare representative for the most current information.

GE Healthcare UK Ltd
Amersham Place, Little Chalfont, Buckinghamshire, HP7 9NA, UK

GE Healthcare Bio-Sciences Corp
800 Centennial Avenue, P.O. Box 1327, Piscataway, NJ 08855-1327, USA

GE Healthcare Europe GmbH
Munzinger Strasse 5, D-79111 Freiburg, Germany

GE Healthcare Bio-Sciences KK
Sanken Bldg. 3-25-1, Hyakunincho, Shinjuku-ku, Tokyo 169-0073, Japan

imagination at work

28-9414-48 AA 10/2008